Pacific Islands' Health Data Matrix
December 2000

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Aloha!

We are pleased to provide you with this version of the Pacific Islands' Health Data Matrix. We hope the Health Data Matrix will be used by as many people as possible and that it will support program planning and the rational allocation of resources.

The information in this Health Data Matrix has all been taken from government sources, either directly or from that officially provided to other organizations/agencies.

We would like to update/revise this Health Data Matrix once a year with new information. In order to do this, we would like to request that all those using the Health Data Matrix send us their additions, corrections, and suggestions for new data. This will enable us to keep the matrix as current as possible and to expand the types of information collected.

This Health Data Matrix has been produced with the support of the Office of Insular Affairs, Department of Interior and the Health Resources and Services Administration, Department of Health and Human Services.

We look forward to receiving your comments and suggestions as we try to improve this matrix.

Sincerely,

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TABLE OF CONTENTS

AMERICAN SAMOA

Demographic Indicators	1
Selected Health Indicators	2
Top Five Causes of Death	3
Health Workforce Ratios	3
Financial/Medical Referral Indicators	4
Workforce Worksheet	5

COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

Demographic Indicators	14
Selected Health Indicators	15
Top Five Causes of Death	16
Health Workforce Ratios	16
Financial/Medical Referral Indicators	17
Health Funding	18
Workforce Worksheet	19

GUAM

Demographic Indicators	28
Selected Health Indicators	29
Top Five Causes of Death	30
Health Workforce Ratios	30
Financial/Medical Referral Indicators	31
Workforce Worksheet	32

REPUBLIC OF THE MARSHALL ISLANDS

Demographic Indicators	40
Selected Health Indicators	41
Top Five Causes of Death	42
Health Workforce Ratios	42
Financial/Medical Referral Indicators	43
Workforce Worksheet	44

REPUBLIC OF PALAU

Demographic Indicators 53
Selected Health Indicators 54
Top Five Causes of Death 55
Health Workforce Ratios 55
Financial/Medical Referral Indicators 56
Workforce Worksheet 57

FEDERATED STATES OF MICRONESIA

Demographic Indicators 67
Selected Health Indicators 68
Top Five Causes of Death 69
Health Workforce Ratios 69
Financial/Medical Referral Indicators 70
Health Funding 71

KOSRAE STATE

Demographic Indicators 72
Selected Health Indicators 73
Top Five Causes of Death 74
Health Workforce Ratios 74
Financial/Medical Referral Indicators 75
Health Funding 76
Workforce Worksheet 77

POHNPEI STATE

Demographic Indicators 86
Selected Health Indicators 87
Top Five Causes of Death 88
Health Workforce Ratios 88
Financial/Medical Referral Indicators 89
Health Funding 90
Workforce Worksheet 91

CHUUK STATE

Demographic Indicators	100
Selected Health Indicators	101
Top Five Causes of Death	102
Health Workforce Ratios	102
Financial/Medical Referral Indicators	103
Workforce Worksheet	104

YAP STATE

Demographic Indicators	112
Selected Health Indicators	113
Top Five Causes of Death	114
Health Workforce Ratios	114
Financial/Medical Referral Indicators	115
Health Funding	116
Workforce Worksheet	117

GLOSSARY OF INDICATORS 126

AMERICAN SAMOA

Demographic Indicators	1997	1999
Land Mass (sq. miles)	77	77
Inhabited Islands and Atolls	7	7
Total Population	58,070	58,070
% Male	51%	51%
% Female	49%	49%
Age Distribution		
% Under 15 years	38%	38%
% Over 64 years	3%	3%
Ethnic Distribution		
Samoan	91.2%	91.2%
Tongan	3.7%	3.7%
Caucasian	2.8%	2.8%
Other	2.3%	2.3%
Geographic Distribution		
Urban/State Center	33%	33%
Intermediate/Rural	67%	67%
Annual Population Growth	3.7%	3.8%
Per Capita GNP/GDP ($)	$5,500	$5,500
Annual Average Household Income	N/A	N/A
Life Expectancy at Birth (Average number of years)	71.6	71.6
Crude Birth Rate (per 1000 population)	28.0	30.0
General Fertility Rate (per 1000)	N/A	N/A
Total Fertility Rate (Women 15-49 years)	4.5	4.5
Crude Death Rate (per 1000 population)	4.5	4.5
Adult Literacy Rate	99.4%	99.4%

AMERICAN SAMOA

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	13.0	13.0
Maternal Mortality Rate (per 100,000 live births)	50.0	50.0
Immunization Rate at 2 years	72.0	72.0
Type of Health Sector	Government	Government
Major Health Facilities	1 Hospital (general acute care; limited ICU, CCU)	1 Hospital (general acute care; limited ICU, CCU)
Number of Inpatient beds	122	122
Population with Access to Major Hospital (% less than 1 hour's travel away)	50%	50%
Minor Health Facility (# type)	5 health centers 2 private clinics	5 health centers 2 private clinics
Nature of Morbidity	Chronic	Chronic

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	From 1995	From 1995
1- diseases of the heart (390-429)	50	50
2- malignant neoplasms (140-239)	32	32
3- cerebrovascular disease (430-438)	18	18
4-accidents and adverse effects (E810-E949)	15	15
5-septicemia (038)	15	15
6- chronic obstructive pulmonary disease (490-496)	14	14
Mortality rate for each listed above (per 10,000) 1-	9.13	9.13
2-	5.84	5.84
3-	3.29	3.29
4-	2.74	2.74
5-	2.74	2.74
6-	2.56	2.56

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:1,559	N/A
Nurse (NM/NP/RN/GN): Population	1:304	N/A
Health Extender (MX/HA): Population	1:6,682	N/A
Dentist (DDS/DO): Population	1:6,682	N/A
Dominant Providers	MD, GN	N/A

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$21,403,500	N/A
Health Budget Per Capita (Annually in $)	$369	N/A
Health Insurance Coverage	Negligible	N/A
Medicare/Medicaid Participation	Eligible but reimbursement is capped	N/A
Medical Referral Costs Annual Average Cost in $ % of Total Budget for Health Annual # of Cases Major Referral Site	 $3.6million 29.8% 429 Honolulu New Zealand	 N/A

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
A. Doctors										
1. MO		General		Indigenous						
								Average Age		
								All MOs:		
								Youngest:		
								Oldest:		
2. MBBS		General		Indigenous				Average Age		
								All MBBSs:		
								Youngest:		
								Oldest:		
3. MD	4	General						Average Age N/A		
		Director	1	Indigenous	1			All MDs:		
		Anesthesiology	1			USA	1	Youngest:		
		Sugery	1			USA	1	Oldest:		
		Opthamology	1			USA	1			
4. OD		General		Indigenous				Average Age		
								All ODs:		
								Youngest:		
								Oldest:		
								N/A		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
B. Nurses										
1. RN	31	Nurse Midwife	2	Indigenous	24	Filipino	1	Average Age		
		Nurse				Caucasian	6	All RNs:	30	31
		Practitioner	4					Youngest:	21	
		Other:						Oldest:	65	
2. GN	23	GN		Indigenous	20	Caucasian	2	Average Age		
		Nurse Midwife #				Tongan	1	All GNs:	21	23
		Nurse						Youngest:		
		Practitioner						Oldest:		
		Other:								
3. LPN	97			Indigenous	94	Tongan	2	Average Age		
# OJT						Filipino	1	All LPNs:	41	97
								Youngest:		
								Oldest:		
4. Aides	12	Community		Indigenous	12			Average Age		
		Health						All Aides:	32	12
		Assistants	12					Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
C. Dentists										
1. DDS	8			Indigenous	2	USA	5	Average Age		
						Filipino	1	All DDSs:	53	8
								Youngest:	27	
								Oldest:	79	
2. DO	2			Indigenous	2			Average Age		
								All DOs:	60.5	
								Youngest:	42	
								Oldest:	79	

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
D. Dental Nurses										
1. Dental Therapist	1			Indigenous	1			Average Age		
								All Therapists:	35	
								Youngest:		
								Oldest:		
2. Dental Nurse				Indigenous				Average Age		
								All Nurses:		
								Youngest:		
								Oldest:		
3. Dental Hygienist				Indigenous				Average Age		
								All Hygienists:		
								Youngest:		
								Oldest:		
4. Assistant		Dental Asst./Aide Only		Indigenous				Average Age All Dental		
		Expanded Function						Asst./Aides:		
		_____ Yes						Youngest:		
								Oldest:		
5. Dental Laboratory Technician				Indigenous				Average Age All Dental		
								Lab Techs:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category	Specialties and # in Each Specialty (whether trained or in-training)	# Indigenous & Other Islander (US-Related Region Only) & Country of Origin	# Expatriate Contract Hires (Outside Region) & Country of Origin	Ages of Workforce in this Category	# Actually Performing Work in this Category
E. Extenders					
1. Medex		Indigenous		Average Age	
				All Medexes:	
				Youngest:	
				Oldest:	
2. Physician Assistant:		Indigenous		Average Age All Physician Assistants:	
				Youngest:	
				Oldest:	
3. Health Assistant:		Indigenous		Average Age All Health	
				Assistants:	
				Youngest:	
				Oldest:	

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
F. Laboratory										
1. Technologist	2			Indigenous	2			Average Age All		
								Technologists:	51.5	2
								Youngest:	48	
								Oldest:	55	
2. Technician:	18			Indigenous	18			Average Age All		
								Technicians:	35	18
								Youngest:	23	
								Oldest:	56	
3. Assistant:				Indigenous	3			Average Age All		
Phlebotomist	3							Assistants:	22	3
								Youngest:	20	
								Oldest:	24	

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
G. Pharmacy										
1. Pharmacist	2			Indigenous	2			Average Age All Pharmacists:	50	2
								Youngest:	40	
								Oldest:	59	
2. Technician:	7			Indigenous	7			Average Age All Technicians:	35	7
								Youngest:	25	
								Oldest:	49	
3. Assistant:				Indigenous				Average Age All Assistants:		
								Youngest:		
								Oldest:		

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
H. Radiology										
1. Technologist:	1			Indigenous	1			Average Age All		
								Technologists:	68	1
								Youngest:		
								Oldest:		
2. Technician:	8			Indigenous	8			Average Age All		
								Technicians:	30	8
								Youngest:	19	
								Oldest:	47	
3. Assistant:	1			Indigenous	1			Average Age All		
								Assistants:		
								Youngest:		
								Oldest:		

Numbers Employed in Other Workforce Categories:

Administrators (including health director): _____

Biomedical Engineer: _____

Facility Maintenance: _____

Others (Specify):

Detailed Information on Physician Workforce
American Samoa

1. Total number of doctors = 42

2. Education:

USA	4
Fiji	16
PNG	5
NZ	4
Ponape	6
ROP	3
China	2
Holland	2

3. Specialties:

Anesthesiologist	4	
Radiologist	1	
Pediatrician	4	
Orthopedic Surgeon	1	
Internist	6	
Family Practice	6	
OB/GYN	6	
PH Officers	4	
Psychiatrist	1	
ENT	2	
Surgeon	4	
Ophthalmologist	1	
Director (hospital)	1	(Iotamo Saleagaga is the US trained MD)

COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

Demographic Indicators	1997	1999
Land Mass (sq. miles)	176.5	176.5
Inhabited Islands and Atolls	3	6
Total Population	58,846	66,559
% Male	53%	49%
% Female	47%	51%
Age Distribution		
% Under 15 years	10.3%	24.0%
% Over 64 years	1.6%	1.6%
Ethnic Distribution		No. Saipan only
Chamorro	29.1%	14,559
Filipino	33.8%	20,684
Carolinian	5.2%	2,249
Chinese	11.6%	12,471
Other Pacific Islanders	8.4%	5,910
Other Asian	3.8%	6,368
Others		2,527
Geographic Distribution		
Urban/State Center	80%	75%
Intermediate/Rural	20%	25%
Annual Population Growth	4.9%	5.8%
Per Capita GNP/GDP ($)	$9,312	$28,734
Annual Average Household Income	$19,093	$19,093
Life Expectancy at Birth (Average number of years)	72.8	75.8 Both sexes
Crude Birth Rate (per 1000)	33.1	21.6
General Fertility Rate (per 1000)	--	--
Total Fertility Rate (Women 15-49 years)	2.0	2.44
Crude Death Rate (per 1000 population)	4.6	2.3
Adult Literacy Rate	97.0%	99.1%

Selected Health Indicators	1997	1999
Infant Mortality Rate (Per 1000 live births)	9.3	8.4
Maternal Mortality Rate (Per 100,000 live births)	84.0	N/A
Immunization Rate at 2 years	56.4	86.0
Type of Health Sector	Government w/ fledgling private sector	Government outpatient pharmacy privatized
Major Health Facilities	1 Hospital (General acute care;limited ICU,CCU)	1 Hospital (General acute care; limited ICU, CCU)
Number of Inpatient beds	74	74
Population with Access to Major Hospital (% less than 1 hour's travel away)	90%	99%
Minor Health Facility (# type)	Field Hospitals: 2 (Tinian, Rota) Dispensaries: 1 (Saipan) Private Clinics: 2 (Saipan)	Field Hospitals: 2 (Tinian, Rota) Dispansaries: 2 (Saipan) Private Clinics: 5 (Saipan)
Nature of Morbidity	Chronic	Chronic

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	from 1991	
1- diseases of circulatory system (390-459)	36	1-Diseases of the heart = 33
2- accidents and adverse effects (E800-E949)	25	2-Neoplasms = 26
3- malignant neoplasms (140-239)	16	3-Cardiovascular diseases = 14
4- symptoms, signs, and ill-defined conditions (780-799)	13	4-Perinatal conditions = 13
5- infectious and parasitic diseases (001-139)	8	5-Motor vehicle accidents = 7
Mortality rate for each listed above (per 10,000) 1-	8.3	5.0
2-	5.8	3.9
3-	3.7	2.1
4-	3.0	2.0
5-	1.8	1.0

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:963	4.47 per 10,000 pop.
Nurse (NM/NP/RN/GN): Population	1:151	17.88 per 10,000 pop.
Health Extender (MX/HA): Population	1:43,345	3.89 per 10,000 pop.
Dentist (DDS/DO): Population	1: 8,669	0.57 per 10,000 pop.
Dominant Providers	MD, RN, DDS	MD, RN, DDS

Financial/Medical Referral Indicators	**1997**	**1999**
Health Budget (Total amount allocated annually in $)	$31,161,007 (1996)	$33,920,121 (1999)
Health Budget Per Capita (Annually in $)	$614	$509
Health Insurance Coverage	72% (1995)	72% (1995)
Medicare/Medicaid Participation	Eligible but reimbursement is capped	Eligible but reimbursement is capped
Medical Referral Costs Annual Average Cost in $ % of Total Budget for Health Annual # of Cases Major Referral Site	 $7.5 million (1994) 29.8% 371 Honolulu Guam	 $3.6 million 524 Honolulu San Diego

HEALTH FUNDING (FY 1999)

(CNMI)

A. US Compact Funding:

Total Amount of US Compact	$200,000 (1994)
Amount towards health services	$200,000 (1994)

B. Local Revenues

Amount of local revenues	$836,380
Where does that money go	To CNMI General Fund

C. List US Federal Grants (FY 2000)

GRANT	GRANTOR	AMOUNT US $
State Sus. Dev. Inc.	DHHS/PHS/HRSA	$ 95,000
Tuberculosis Control	DHHS/PHS/CDC	$346,850
Family Planning	DHHS/PHS/Region IX	$106,957
Immunization Program	DHHS/PHS/CDC	$216,946
Breast & Cervical Cancer	DHHS/PHS/CDC	$361,362
HIV Prevention	DHHS/PHS/CDC	$117,202
Diabetes Program	DHHS/PHS/CDC	$ 95,890
Prevention Health	DHHS/PHS/CDC	$ 67,963
Maternal & Child Health	DHHS/PHS/Region IX	$489,794
STD	DHHS/PHS/CDC	$114,093

D. List International Aid Organizations

NAME OF ORGANIZATION	AMOUNT US $
N/A	N/A

Jurisdiction: CNMI

WORKFORCE WORKSHEET - 1999

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
A. Doctors 1. MO 1	OB/GYN # 1	Palau # 1	#	Average Age All MO's 48 Youngest 48 Oldest 48	1
2. MBBS 0	#	#	#	Average Age All MBBS's Youngest Oldest	0
3. MD 44	IM # 8 OB/GYN # 4 Peds # 5 ER # 8 Surgery # 2 Fam. Prac. # 14 Pathology 1	CNMI # 4 Anesthesia-2	Pakistan # 3 USA # 19 Syria # 2 Cananda # 13 Germany # 1 Philippine # 1 Mexican 1	Average Age All MDs Youngest Oldest	44
4. OD 0	#	#	#	Average Age All ODs Youngest Oldest	0

Jurisdiction: CNMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
B. Nurses 1. RN 98	Nurse Midwife # 13 Nurse Practitioner # 2 Other # Unit Manager # 6 _____ #	Palau # 1 CNMI # 29 _____ # _____ # _____ # _____ #	USA # 14 Philippines # 54 _____ # _____ # _____ # _____ #	Average Age All RNs Youngest Oldest	98
2. GN 0	GN # Nurse Midwife # Nurse Practitioner # Other _____ #	_____ # _____ # _____ # _____ # _____ # _____ #	_____ # _____ # _____ # _____ # _____ # _____ #	Average Age All GNs Youngest Oldest	_____
3. LPN 25 #OJT 1	Hemo # 3 Med Surg # 5 OR # 1 Peds # 4 ER # 4 OB # 2 NICU 1	CNMI # 7 _____ # _____ # _____ # _____ # Acute Care # 2 Psych -3	Philippines # 18 _____ # _____ # _____ # _____ # _____ #	Average Age All LPNs Youngest Oldest	25
4. Aides 44	Med Surg # 6 ER # 4 Peds # 5 Hemo # 12 OR # 2 OB # 5	CNMI # 33 _____ # _____ # Psych # 3 Acute Care # 6 NICU # 1	Philippines # 11 _____ # _____ # _____ # _____ # _____ #	Average Age All Aides Youngest Oldest	44

Jurisdiction: CNMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
C. Dentists 1. DDS 4	#	#	USA # 3 Guam # 1	Average Age All DDSs 37 Youngest 28 Oldest 49	4
2. DO 1 3. DMO 1	#	CNMI # 1	Phillippines # 1	Average Age All DOs 53 Youngest 52 Oldest 53	2

Jurisdiction: CNMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
D. Dental Nurses 1. Dental Therapist N/A		____ #____ ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	____ #____ ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	Average Age All Therapists ____ Youngest ____ Oldest ____	____
2. Dental Nurse 1		CNMI #1 ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	____ #____ ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	Average Age All Nurses 48 Youngest 48 Oldest 48	1
3. Dental Hygienist 1		CNMI #1 ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	____ #____ ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	Average Age All Hygienists 39 Youngest 39 Oldest 39	1
4. Aides 8	Dental Asst./Aide Only Expanded Function x Yes # 8	CNMI #8 ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	____ #____ ____ #____ ____ #____ ____ #____ ____ #____ ____ #____	Average Age All Dental Asst./Aides 33 Youngest 22 Oldest 44	8

Jurisdiction: CNMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
E. Extenders 1. Medex 2	#	CNMI # 2		Average Age All Medexes Youngest Oldest	2
2. Physician Assistant 10	Osteopathic # 1 Fam Prac. # 9	#	#	Average Age All Physician Assistants 45 Youngest 28 Oldest 53	10
3. Health Assistant 9	NP # 4 NP-Wifery # 2 CRNA # 1 NP-Peds # 1 Women's # 1	#		Average Age All Health Assistants 45 Youngest 34 Oldest 48	9

Jurisdiction: CNMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
F. Laboratory 1. Technologist 8	Microbiology # 4 Generalist # 8	#	Philippines # 1 USA # 7	Average Age All Technologists Youngest 32 Oldest 50	8
2. Technician 4	Generalist # 4	CNMI # 1	Philippines # 1 USA # 2	Average Age All Technicians Youngest 28 Oldest 45	4
3. Assistant 7	Phlebotomy # 5 Admin Assist # 2	CNMI # 3 Palau # 1 PI I.R. # 2 USA # 1	#	Average Age All Assistants Youngest 29 Oldest 57	7

Jurisdiction: CNMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
G. Pharmacy 1. Pharmacist 9	Nutrition # 1 Oncology # 1 Critical Care # 1 (General) # 9		USA # 9	Average Age All Pharmacists 37 Youngest 28 Oldest 48	9
2. Technician 16		CNMI # 2	Philippines # 14	Average Age All Technicians 31 Youngest 27 Oldest 36	16
3. Assistant 6		CNMI # 6		Average Age All Assistants 30 Youngest Oldest	6

Jurisdiction: CNMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
H. Radiology. 1. Technologist 6	CT # 2 Sonographer # 2 x-ray # 2 Mammo # 1		Philippines # 3 USA # 3	Average Age All Technologists 37 Youngest 27 Oldest 47	6 (One of the CT techs also does mammography.)
2. Technician 1	x-ray # 1	Palau # 1		Average Age All Technicians 39 Youngest Oldest	1
3. Assistant 1	x-ray # 1	Carolinian # 1		Average Age All Assistants 26 Youngest Oldest	1

Jurisdiction: CNMI

Numbers Employed in Other Workforce Categories:

Administrators (including health director): 2

Biomedical Engineer: _____

Facility Maintenance: 1

Others (Specify):

Program Managers	17
Admin. Staff	24
Clinical, social workers, &	
Health Inspectors	48

GUAM

Demographic Indicators	1997	1999
Land Mass (sq. miles)	212	212
Inhabited Islands and Atolls	1	1
Total Population % Male % Female	155,230 (1996) 53% 47%	155,230 (1996) 53% 47%
Age Distribution % Under 15 years % Over 64 years	 30% (1995) 6.60% (1995)	 30% (1995) 6.60% (1995)
Ethnic Distribution Chamorro Filipino Asian Caucasian	 43.3% 22.6% 19.7% 14.4%	 43.3% 22.6% 19.7% 14.4%
Geographic Distribution Urban/State Center Intermediate/Rural	 38% 62%	 38% 62%
Annual Population Growth	2.30 (1985-1994)	2.6
Per Capita GNP/GDP ($)	$10,800 (1992)	$11,306
Annual Average Household Income	$46,567	$46,567
Life Expectancy at Birth (Average number of years)	74.0 (1995)	74.0 (1995)
Crude Birth Rate (per 1000 population)	27 (1996)	27.5
General Fertility Rate (per 1000)	N/A	N/A
Total Fertility Rate (Women 15-49 years)	3.6 (1995)	3.6 (1995)
Crude Death Rate (per 1000 population)	4.0 (1996)	4.1
Adult Literacy Rate	96.4% (1995)	96.4% (1995)

GUAM

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	9.0 (1992)	8.9 (1996)
Maternal Mortality Rate (per 100,000 live births)	0	0
Immunization Rate at 2 years	70	70
Type of Health Sector	Mixed public and private	Mixed public and private
Major Health Facilities	1 civilian 1 military	1 civilian 1 military
Number of Inpatient beds	N/A	N/A
Population with Access to Major Hospital (% less than 1 hour's travel away)	90%	90%
Minor Health Facility (# type)	2 health centers (public) 22 health clinics (private)	2 health centers (public) 22 health clinics (private)
Nature of Morbidity	Chronic	Chronic

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	From 1995	From 1995
1- diseases of the heart (390-429)	175	175
2- malignant neoplasms (140-239)	100	100
3- all other accidents (E800-807, E826-949)	49	49
4- cerebrovascular disease (430-438)	43	43
5- motor vehicle accidents (E810-825)	31	31
Mortality rate for each listed above (per 10,000)	From 1996	From 1996
1-	11.5	11.5
2-	6.6	6.6
3-	3.2	3.2
4-	2.8	2.8
5-	2.0	2.0

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:484	1:484
Nurse (NM/NP/RN/GN): Population	1:191	1:191
Health Extender (MX/HA): Population	1:6,749	1:6,749
Dentist (DDS/DO): Population	1:2,218	1:2,218
Dominant Providers	MD, RN, DDS	MD, RN, DDS

GUAM

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	FY 1998 $81 million	FY 1998 $81 million
Health Budget Per Capita (Annually in $)	$510	$510
Health Insurance Coverage	82%	82%
Medicare/Medicaid Participation	Eligible but reimbursement is capped	Eligible but reimbursement is capped
Medical Referral Costs		
Annual Average Cost in $	N/A	N/A
% of Total Budget for Health	N/A	N/A
Annual # of Cases	N/A	N/A
Major Referral Site	Honolulu Los Angeles	Honolulu Los Angeles

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
A. Doctors										
1. MO		General		Indigenous						
								Average Age		
								All MOs:		
								Youngest:		
								Oldest:		
2. MBBS		General						Average Age		
								All MBBSs:		
								Youngest:		
								Oldest:		
3. MD	311	OB/GYN	31					Average Age N/A		
		Pediatrics	26					All MDs:		
		Internal Medicine	68					Youngest:		
		Family Practice	48					Oldest:		
		Surgery	29							
		Radiology	20							
		Emergency Medicine	11							
4. OD	10	OB/GYN	2					Average Age		
		Family Practice	3					All ODs:		
		Radiology	1					Youngest:		
		Emergency Medicine	1					Oldest:		
		Anesthesiology	1							
		Psychiatry	1					N/A		

Workforce Worksheet
PIHOA,September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
B. Nurses										
1. RN	136	Nurse Midwife	14					Average Age		
		Nurse						All RNs:		
		Practitioner						Youngest:		
		Other:						Oldest:		
		Public Health	17							
		ICU	10							
		Hemodialysis	10							
2. GN	14	GN						Average Age		
		Nurse Midwife #	14					All GNs:		
		Nurse						Youngest:		
		Practitioner						Oldest:		
		Other:								
3. LPN	9	OR	1					Average Age		
# OJT		Family Care	3					All LPNs:		
		Med/Surg.	2					Youngest:		
		Public Health	1					Oldest:		
		Hemodialysis	1							
		Pediatric	1							
4. Aides		General		Indigenous				Average Age		
								All Aides:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA,September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
C. Dentists										
1. DDS								Average Age		
								All DDSs:		
								Youngest:		
								Oldest:		
2. DO								Average Age		
								All DOs:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA,September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
D. Dental Nurses										
1. Dental Therapist								Average Age		
								All Therapists:		
								Youngest:		
								Oldest:		
2. Dental Nurse				Indigenous				Average Age		
								All Nurses:		
								Youngest:		
								Oldest:		
3. Dental Hygienist								Average Age		
								All Hygienists:		
								Youngest:		
								Oldest:		
4. Assistant		Dental Asst./Aide Only						Average Age All Dental		
		Expanded Function						Asst./Aides:		
		_____ Yes						Youngest:		
								Oldest:		
5. Dental Laboratory Technician								Average Age All Dental		
								Lab Techs:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA,September 1997

Current # in this Workforce Category	Specialties and # in Each Specialty (whether trained or in-training)	# Indigenous & Other Islander (US-Related Region Only) & Country of Origin	# Expatriate Contract Hires (Outside Region) & Country of Origin	Ages of Workforce in this Category	# Actually Performing Work in this Category
E. Extenders					
1. Medex				Average Age	
				All Medexes:	
				Youngest:	
				Oldest:	
2. Physician Assistant:				Average Age All Physician Assistants:	
				Youngest:	
				Oldest:	
3. Health Assistant:				Average Age All Health	
				Assistants:	
				Youngest:	
				Oldest:	

Workforce Worksheet
PIHOA,September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
F. Laboratory										
1. Technologist	10	Clinical Laboratory Supervisor	1			United States	10	Average Age All		
		Laboratory Manager	1					Technologists:		
		Medical Technologist	1					Youngest:		
		Clinical Laboratory Scientist	7					Oldest:		
2. Technician:	3					United States	3	Average Age All		
								Technicians:		
								Youngest:		
								Oldest:		
3. Assistant:								Average Age All		
								Assistants:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA,September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
G. Pharmacy										
1. Pharmacist	1					United States	1	Average Age All		
								Pharmacists:		
								Youngest:		
								Oldest:		
2. Technician:	11			Indigenous	4	United States	7	Average Age All		
								Technicians:		
								Youngest:		
								Oldest:		
3. Assistant:								Average Age All		
								Assistants:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA,September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
H. Radiology										
1. Technologist:	1							Average Age All Technologists:		
								Youngest:		
								Oldest:		
2. Technician:	16			Indigenous	3	United States	13	Average Age All Technicians:		
								Youngest:		
								Oldest:		
3. Assistant:								Average Age All Assistants:		
								Youngest:		
								Oldest:		

Numbers Employed in Other Workforce Categories:
Administrators (including health director): _____
Biomedical Engineer
_____
Facility Maintenance
_____
Others (Specify)

Physical Therapist 3

REPUBLIC OF THE MARSHALL ISLANDS

Demographic Indicators	1997	1999
Land Mass (sq. miles)	70	70
Inhabited Islands and Atolls	23	23
Total Population % Male % Female	56,219	50,840 51.2% 48.8%
Age Distribution % Under 15 years % Over 64 years	 48.10% 2.30%	 43% 2.2%
Ethnic Distribution Marshallese Others	 96.9% 3.1%	 97% 3%
Geographic Distribution Urban/State Center Intermediate/Rural	 68% 32%	 65.2% 34.8%
Annual Population Growth	3.6% (1996)	3.6% (1996)
Per Capita GNP/GDP ($)	$1,850 (1995)	$1,927
Annual Average Household Income	N/A	$6,840
Life Expectancy at Birth (Average number of years)	64.2 (1994)	64.4
Crude Birth Rate (per 1000 population)	26.21 (1998)	26.21 (1998)
General Fertility Rate (per 1000)	--	--
Total Fertility Rate (Women 15-49 years)	5.7 (1994)	5.7 (1994)
Crude Death Rate (per 1000 population)	3.9	4.47 (1998)
Adult Literacy Rate	90.7%	97%

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	26.42	25.85
Maternal Mortality Rate (per 100,000 live births)	-0-	-0-
Immunization Rate at 2 years	54.4	64
Type of Health Sector	Government	Government
Major Health Facilities	2 Hospitals	2 Hospitals
Number of Inpatient beds	Majuro – 103 Ebeye – 25	Majuro – 90 Ebeye – 25
Population with Access to Major Hospital (% less than 1 hour's travel away)	100%	100%
Minor Health Facility (# type)	59 dispensaries 1 community health center	60 health centers 1 community health center
Nature of morbidity	Transitional (infectious/parasitic & chronic)	Chronic

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	From 1996	From 1996
1- Sepsis/Septicemia and septic shock (038)	43	43
2- Diseases of the heart (390-425)	27	27
3- Malignant neoplasms (all types) (140-239)	18	18
4- Pneumonia (480-486)	18	18
5- Renal Failure/Disease (580-589)	16	16
Mortality rate for each listed above (per 10,000)	From 1996	From 1996
1-	11.5	11.5
2-	6.6	6.6
3-	3.2	3.2
4-	2.8	2.8
5-	2.0	2.0

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:2,194	1:2,194
Nurse (NM/NP/RN/GN): Population	1:478	1:478
Health Extender (MX/HA): Population	1:911	1:911
Dentist (DDS/DO): Population	1:14,812	1:14,812
Dominant Providers	MO, GN, PN, HA	MO, GN, PN, HA

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$7.6 million	$12.6 million
Health Budget Per Capita (Annually in $)	$128	$248
Health Insurance Coverage	Universal (social security type & 177 health care plan)	Universal (social security type & 177 health care plan)
Medicare/Medicaid Participation	Ineligible	Ineligible
Medical Referral Costs Annual Average Cost in $	$2,400,000	$2,400,000
% of Total Budget for Health	32.0	32.0
Annual # of Cases	148	224
Major Referral Site	Honolulu Manila	Honolulu Manila

Jurisdiction: RMI

WORKFORCE WORKSHEET - 1999

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
A. Doctors 1. MO 5	Common Health Med Surgery # 5	#	#	Average Age All MO's 39 Youngest 27 Oldest 59	5
2. MBBS 3	Gen. Practice # 1 Gen. Surgeon # 1 Internal Med # 1	#	Sri Lanka # 1 Nepal # 2	Average Age All MBBS's 40 Youngest 40 Oldest 41	3
3. MD 5	Pediatrician # 1 Gen. Surgeon # 1 OB-GYN # 2 Internal Med # 1	#	Philippines # 5	Average Age All MDs 49 Youngest 40 Oldest 56	5
4. OD	#	#	#	Average Age All ODs Youngest Oldest	
5. FRCS 2	Opthamologist-1 Gen. Surgeon-1		Nepal-1 Yanmar-1 Egypt-1	Average Age All ODs -53 Youngest -47 Oldest -58	2
6. MBBCH 1	Pediatrician-1			Average Age -48	1

Jurisdiction: RMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
B. Nurses 1. RN 0	Nurse Midwife # Nurse Practitioner # Other #	#	#	Average Age All RNs Youngest Oldest	0
2. GN 70	GN # 64 Nurse Midwife # 6 Nurse Practitioner # Other #	#	Fiji # 2 Tuvalu # 1 Philippines # 2	Average Age All GNs 35 Youngest 22 Oldest 57	70
3. LPN #OJT	#	#	#	Average Age All LPNs Youngest Oldest	0
4. Aides Practical Nurse 54	#	#	#	Average Age All Aides 38 Youngest 21 Oldest 55	54

Jurisdiction: RMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
C. Dentists 1. DDS 1	# # # # # #	USA # 1 # # # # #	# # # # # #	Average Age All DDSs 64 Youngest Oldest	1
2. DO	# # # # # #	# # # # # #	# # # # # #	Average Age All DOs Youngest Oldest	

3. B.D.S. 1 MynMar-1 51 1

4. D.M.D. 1 Philippines-1 39 1

Jurisdiction: RMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
D. Dental Nurses 1. Dental Therapist _____		_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Therapists _____ Youngest _____ Oldest _____	0
2. Dental Nurse 1		_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Nurses 40 Youngest _____ Oldest _____	1
3. Dental Hygienist _____		_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Hygienists _____ Youngest _____ Oldest _____	0
4. Aides 6 Dental Assistant	Dental Asst./Aide Only Expanded Function _____ Yes #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Dental Asst./Aides 32 Youngest 26 Oldest 45	6

Jurisdiction: RMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
E. Extenders 1. Medex 8	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____		Average Age All Medexes 49 Youngest 33 Oldest 63	8
2. Physician Assistant _____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Physician Assistants _____ Youngest _____ Oldest _____	0
3. Health Assistant 50	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____		Average Age All Health Assistants 37 Youngest 23 Oldest 59	50

Jurisdiction: RMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
F. Laboratory 1. Technologist 0	# ___ # ___ # ___ # ___ # ___ # ___	# ___ # ___ # ___ # ___ # ___ # ___	# ___ # ___ # ___ # ___ # ___ # ___	Average Age All Technologists ___ Youngest ___ Oldest ___	0
2. Technician 11	# ___ # ___ # ___ # ___ # ___ # ___	# ___ # ___ # ___ # ___ # ___ # ___	# ___ # ___ # ___ # ___ # ___ # ___	Average Age All Technicians 42 Youngest 28 Oldest 60	11
3. Assistant 0	# ___ # ___ # ___ # ___ # ___ # ___	# ___ # ___ # ___ # ___ # ___ # ___	# ___ # ___ # ___ # ___ # ___ # ___	Average Age All Assistants ___ Youngest ___ Oldest ___	0

Jurisdiction: RMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
G. Pharmacy 1. Pharmacist 1	# # # # # #	# # # # # #	# # # # # #	Average Age All Pharmacists 37 Youngest Oldest	1
2. Technician 4	# # # # # #	# # # # # #	# # # # # #	Average Age All Technicians 35 Youngest 29 Oldest 48	4
3. Assistant 0	# # # # # #	# # # # # #	# # # # # #	Average Age All Assistants Youngest Oldest	0

Jurisdiction: RMI

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
H. Radiology. 1. Technologist 0	# # # # # #	# # # # # #	# # # # # #	Average Age All Technologists Youngest Oldest	0
2. Technician 5	# # # # # #	# # # # # #	# # # # # #	Average Age All Technicians 40 Youngest 26 Oldest 54	5
3. Assistant 0	# # # # # #	# # # # # #	# # # # # #	Average Age All Assistants Youngest Oldest	0

Jurisdiction: RMT

Numbers Employed in Other Workforce Categories:

Administrators (including health director): 4

Biomedical Engineer: _____

Facility Maintenance: 4

Others (Specify):

Administration Staff : 15

Telephone Operator : 2

Computer Data Clerk : 3

Planning & Statistics : 3

Medical Supply : 4

Patient Accounts : 6

Cook : 11

Secretary Officer : 9

Housekeeping & Laundry : 12

REPUBLIC OF PALAU

Demographic Indicators	1997	1999
Land Mass (sq. miles)	188	188
Inhabited Islands and Atolls	8	8
Total Population % Male % Female	17,250 (1995)	18,100 (1998)
Age Distribution % Under 15 years % Over 64 years	 27.60* (1995) 0.05* (1995)	 4,840 (27.7%) 979 (7.0%)
Ethnic Distribution Palauan Filipino Chinese Other	 73% 16% 3.1% 7.9%	 73% 16% 3.1% 7.9%
Geographic Distribution Urban/State Center Intermediate/Rural	 70% 30%	 71.40% 28.60%
Annual Population Growth	1.96 (1995)	2.3% (1998)
Per Capita GNP/GDP ($)	$3,526	$3,526
Annual Average Household Income	$11,856	$11,856
Life Expectancy at Birth (Average number of years)	67.30* (1998 projections)	70.8 females 64.5 males
Crude Birth Rate (per 1000 population)	22.6 (1995)	15.46 (1998)
General Fertility Rate (per 1000)	---	---
Total Fertility Rate (Women 15-49 years)	3.0 (1995)	2.60 (1998)
Crude Death Rate (per 1000 population)	6.3 (1995)	6.96 (1998)
Adult Literacy Rate	97.5%	97.5%

REPUBLIC OF PALAU

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	15.1 (1995)	10.71 (1998)
Maternal Mortality Rate (per 100,000 live births)	N/A	N/A
Immunization Rate at 2 years	96.9%	98%
Type of Health Sector	Government w/fledgling private sector	Government w/growing private sector
Major Health Facilities	1 hospital	1 hospital 4 private clinics
Number of Inpatient beds	80	82
Population with Access to Major Hospital (% less than 1 hour's travel away)	80% (1995)	100% (1998)
Minor Health Facility (# type)	1 CHC 9 dispensaries	4 dispensaries 5 regular dispensaries
Nature of Morbidity	Chronic	Chronic

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	From 1991	
1- diseases of circulatory system (390-459)	43	1-heart disease = 20
2- injury and poisoning (390-459)	28	2-injuries = 20
3- malignant neoplasms (140-239)	19	3-stroke/ hypertension = 18
4- symptoms, signs, and ill-defined conditions (780-799)	14	4-cancer = 13
5- diseases of the respiratory system (460-519)	11	5-rspiratory illness = 9
Mortality rate for each listed above (per 10,000)	From 1991	N/A
1-	24.9	
2-	16.3	
3-	11.0	
4-	8.1	
5-	6.4	

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:556	1:556
Nurse (NM/NP/RN/GN): Population	1:273	1:273
Health Extender (MX/HA): Population	1:574	1:574
Dentist (DDS/DO): Population	1:4,306	1:4,306
Dominant Providers	MO, GN, PN, HA	MO, GN, PN, HA

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$5.505 million (?)	$4,247,500 (1998)
Health Budget Per Capita (Annually in $)	$319.59	$339.00
Health Insurance Coverage	Negligible	N/A
Medicare/Medicaid Participation	Ineligible	N/A
Medical Referral Costs Annual Average Cost in $	$850,000	N/A
% of Total Budget for Health	15.0	
Annual # of Cases	103	N/A
Major Referral Site	Manila Honolulu	Hawaii 39 Manila 87 Guam 4

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
A. Doctors										
1. MO	16	Anesthesia	2	Indigenous	13	Marshalls	1			
		Medicine	4	FSM	2			Average Age		16
		Pediatrics	2	Marshalls	1			All MOs:	35.4	
		Surgery	1					Youngest:	23	
		OB/GYN	2					Oldest:	65	
		Psychiatry	2							
		Public Health	1							
		Pathology	1							
		Radiology	1							
2. MBBS	3	OB/GYN	1	Indigenous	2	Vanuatu	1	Average Age		3
		Anesthesia	1	Vanuatu	1			All MBBSs:	50	
		Public Health	1					Youngest:	41	
								Oldest:	55	
3. MD	12	Med./Peds	5	Indigenous	4	China	1	Average Age N/A		
		Surgery	4	China	1	United States	2	All MDs:	42.8	12
		Orthopedic	1	Philippines	2	Korea	1	Youngest:	34	
		Psychiatry	1	United States	2	Fiji	1	Oldest:	61	
		Cardiology	1	Korea	1	Burma	1			
				Fuji	1					
				Burma	1					
4. OD	0							Average Age		
								All ODs:		
								Youngest:		
								Oldest:		
								N/A		

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
B. Nurses										
1. RN	10	Nurse Midwife	0	Indigenous	7	None		Average Age		3
		Nurse		United States	1			All RNs:	43.1	
		Practitioner	1	United Kingdom	1			Youngest:	27	
		Other:		Philippines	1			Oldest:	59	
		Education	2							
		Administration	3							
		Private Clinic	2							
2. GN	53	GN	44	Indigenous	47	None		Average Age		48
		Nurse Midwife #	2	Chuuk, FSM	0			All GNs:	41.3	
		Nurse		Yap, FSM	0			Youngest:	25	
		Practitioner+C 114	3	Fiji	2			Oldest:	60	
		Other:		Vanuatu	2					
		Anesthetist	2							
		Hemodialysis	2							
3. LPN	50	LPN	48	Indigenous	48	None		Average Age		50
# OJT		Hemodialysis	2	Kosrae, FSM	1			All LPNs:	32.1	
								Youngest:	20	
								Oldest:	50	
4 Aides	0	Community						Average Age		
		Health						All Aides		
		Assistants						Youngest		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
C. Dentists										
1. DDS	3	Dental Surgery	3	United States	3	2		Average Age		3
								All DDSs:	46.7	
								Youngest:	31	
								Oldest:	72	
2. DO	1	Dental Officer	1	Indigenous	1	None		Average Age		1
								All DOs:	29	
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
D. Dental Nurses										
1. Dental Therapist	0							Average Age		
								All Therapists:		
								Youngest:		
								Oldest:		
2. Dental Nurse	6			Indigenous	6			Average Age		6
								All Nurses:	47	
								Youngest:	39	
								Oldest:	59	
3. Dental Hygienist	0							Average Age		
								All Hygienists:		
								Youngest:		
								Oldest:		
4. Aides		Dental Asst./Aide Only						Average Age All Dental		15
		Expanded Function						Asst./Aides:	28.7	
		____ Yes	15					Youngest:	21	
								Oldest:	37	
5. Dental Laboratory Technician	2			Indigenous	1		1	Average Age All Dental		2
				Philippines	1			Lab Techs:	28.5	
								Youngest:	28	
								Oldest:	29	

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
E. Extenders										
1. Medex								Average Age		
								All Medexes:		
								Youngest:		
								Oldest:		
2. Physician Assistant:	2	Primary Health Care	1	Indigenous	1	None		Average Age All Physician Assistants:	39.5	
		Independant Duty Corpsman	1	United States	1			Youngest:	37	2
								Oldest:	42	
3. Health Assistant:	28	Health Assistant Geriatric Services	26	Indigenous	28	None		Average Age All Health		
		Geriatric Services	2					Assistants:	34.6	28
								Youngest:	23	
								Oldest:	47	

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
F. Laboratory										
1. Technologist	7			Indiegenous	5	United States	1	Average Age All Technologists:	41	6
				United States	1			Youngest:	26	
				Philippines	1			Oldest:	54	
2. Technician:	0							Average Age All Technicians:		
								Youngest:		
								Oldest:		
3. Assistant:	1			Indigenous	1			Average Age All Assistants:	44	1
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
G. Pharmacy										
1. Pharmacist	2			United States	1	United States	1	Average Age All		
				Austrailia	1	Austrailia	1	Pharmacists:	41	2
								Youngest:	28	
								Oldest:	54	
2. Technician:	6			Indigenous	6			Average Age All		
								Technicians:	34	6
								Youngest:	25	
								Oldest:	46	
3. Assistant:								Average Age All		
								Assistants:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)	# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin	Ages of Workforce in this Category		# Actually Performing Work in this Category
H. Radiology								
1. Technologist:	2		Indigenous	2		Average Age All Technologists:	46.5	2
						Youngest:	42	
						Oldest:	51	
2. Technician:	4		Indigenous	4		Average Age All Technicians:	27	4
						Youngest:	22	
						Oldest:	32	
3. Assistant:						Average Age All Assistants:		
						Youngest:		
						Oldest:		

Numbers Employed in Other Workforce Categories:

Administrators (including health director): _____ 6

Biomedical Engineer _____

Facility Maintenance _____ 38

Others (Specify):

Addendum to Palau Workforce Worksheet

DOCTORS

Four private physicians were included in this worksheet:

1) One indigenous MO, 65 years of age, specializing in anesthesia, is not actually performing work.
2) Two MDs, 37 and 35 years old, from the Philippines, are specializing in medicine, on emergency calls at the National Hospital (not expatriate contract hires).
3) One indigenous MD, 43 years of age, is specializing in medicine, on emergency call at the National Hospital.

Under MDs:

Physicians from China, Philippines, Korea, and Burma were trained and licensed MDs in their respective countries. The Fijian physician has an M.B.ChB degree.

Under MOs

Nine are interns and three are residents - all have diplomas in Community Health, Medicine and Surgery (DCHMS).

NURSES

- One US RN, 51 years old, is not currently practicing nursing, but maintains her RN license.
- One indigenous RN, 43 years old, is teaching health science courses at a local college.
- One UK, US-licensed RN, 60 Years old, is working at a private clinic, performing work in this category.
- One Philippine-trained RN, a 23 year old Filipina, is performing work at a private clinic.

Under GNs:

- The youngest (25 years old) and the oldest (60 years old) are not performing work in this category (25 year old GN transferred to the pharmacy, and the 60 year old GN is retired, but maintains her license). Both are indigenous. In the workforce, the youngest is a 27 year old GN from Chuuk, FSM, and the oldest is a 59 year old indigenous GN.
- Three indigenous GNs are not performing work in this category, a 47 year old GN is working as a physical therapist; a 32 year old GN is continuing her education, and a 38 year old GN is working under another medical program, but maintains a GN license.

Under LPNs:

- Five indigenous LPNs are working at private cliinics, ages are, 33, 38, 45, 46, and 48.

DENTIST

- One DDS, 37 years old, is working at a private clinic.

DENTAL NURSES

- One indigenous dental assistant, age 29, is currently working at a private clinic.

Information not included in this worksheet:

- There are three indigenous dental assistants, ages 29, 29, and 32, currently working in Fiji, training to be dental nurses, one is expected to finish in 1999. The other two are scheduled to finish in 2000.

EXTENDERS

- Under Physician Assistant included is one US, 42 year old, independent duty corpsman or IDC (US Navy Civic Action Team). Every 8 to 12 months, the IDC is replaced by another to be stationed for a similar length of time.

LABORATORY

- Under technologist, one US technologist, a 49 year old, expatriate contract hired as an epidemiologist, maintains a laboratory technologist license. 1 Philippine trained technologist, a 35 year old Filipina, works at a private clinic.

PHARMACY

- Included under pharmacy technician, one indigenous pharmacy technician, 25 years old, is a formerly practicing graduate nurse (GN).
- Two indigenous pharmacy technicians ages 26 and 31 are both working in a private clinic.

RADIOLOGY

- Included under technician, one indigenous radiology technician, 22 years old, is working at a private clinic.

OTHER WORKFORCE CATEGORIES

- Included in the count for facilities maintenance are custodians, electricians, plumbers, grounds maintenance, housekeeping, etc.

FEDERATED STATES OF MICRONESIA

Demographic Indicators	1997	1999
Land Mass (sq. miles)	77	77
Inhabited Islands and Atolls	62	62
Total Population % Male % Female	105,506 (1994)	112,732 57,504 55,228
Age Distribution % Under 15 years % Over 64 years	 44% 3.5%	 40.7% 3.7%
Ethnic Distribution (See State information)		
Geographic Distribution Urban/State Center Intermediate/Rural	 76% 24%	 27% 63%
Annual Population Growth	1.90%	2.1%
Per Capita GNP/GDP ($)	$1,195 (1996)	$1,980 (1998)
Annual Average Household Income	$8,645 (1994)	$8,645 (1994)
Life Expectancy at Birth (Average number of years)	68.0	68.0 66.0 males 71.0 females
Crude Birth Rate (per 1000 population)	31 (1994)	23.5
General Fertility Rate (per 1000)	N/A	N/A
Total Fertility Rate (Women 15-49 years)	4.8	4.6
Crude Death Rate (per 1000 population)	7.0	4.2
Adult Literacy Rate	90%	94%

FEDERATED STATES OF MICRONESIA

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	46 (1994)	25
Maternal Mortality Rate (per 100,000 live births)	122	122
Immunization Rate at 2 years	84.1%	63.3%
Type of Health Sector	Government	Government
Major Health Facilities	4 hospitals 303 beds	4 hospitals 303 beds
Number of Inpatient beds	N/A	N/A
Population with Access to Major Hospital (% less than 1 hour's travel away) (See Stae information)		
Minor Health Facility (# type)	114 dispensaries	116 dispensaries
Nature of Morbidity	Transitional	N/A

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths) 1- diseases of circulatory system 2- diseases of the respiratory system 3- malignant neoplasms 4- endocrine, nutritional, and metabolic diseases 5- accidents	119 62 50 38 32	1- circulatory system = 101 2- endocrine/ metabolic = 72 3- injuries/ poisoning = 55 4- diseases of the respiratory stystem = 47 5- cancer = 38
Mortality rate for each listed above (per 10,000) 1- 2- 3- 4- 5-	N/A	N/A

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:1,529	1:1,529
Nurse (NM/NP/RN/GN): Population	1:281	1:281
Health Extender (MX/HA): Population	1:723	1:723
Dentist (DDS/DO): Population	1:7,563	1:7,563
Dominant Providers	MO, GN, PN, HA	MO, GN, PN, HA

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$13,030,718	$11,200,000 (-27%)
Health Budget Per Capita (Annually in $)	$117	N/A
Health Insurance Coverage	N/A	N/A
Medicare/Medicaid Participation	Ineligible	Ineligible
Medical Referral Costs Annual Average Cost in $	$1,595,094	$1,595,094
% of Total Budget for Health	27.1%	27.1%
Annual # of Cases	217	217
Major Referral Site	Manila Honolulu Guam	Manila Honolulu Guam

HEALTH FUNDING (FY 1999)

(FSM NATIONAL)

A. US Compact Funding:

Total Amount of US Compact	$12,425,343.00 (Excluding Capital Acc.)
Amount towards health services	$ 2,257,581.60

B. Local Revenues

Amount of local revenues	$ 6,905,349.00
Where does that money go	$ 1,238,906.90

C. List US Federal Grants (FY 2000)

GRANT	GRANTOR	AMOUNT US $
CHC	U.S. DHHS	$ 142,362.00
Aids Prevention	U.S. DHHS	$ 13,207.00
TB & Aids	U.S. DHHS	$ 24,254.00
Maternal & Child Health	U.S. DHHS	$ 77,585.00
STD's	U.S. DHHS	$ 7,497.00
Preventive Health	U.S. DHHS	$ 6,000.00
SA & MH	U.S. DHHS	$ 100,389.00
Immunization	U.S. DHHS	$ 47,085.00
MCH/CSHCN	U.S. DHHS	$ 9,555.00
MCH/DENT	U.S. DHHS	$ 2,000.00
TOTAL		$ 429,934.00

D. List International Aid Organizations

GRANT	GRANTOR	AMOUNT US $
DM CTRL	WHO	$ 8,200.00
Family Planning	UNFPA	$ 31,677.00
FFPN	UNICEF	$ 10,000.00
TOTAL		$ 49,877.00

KOSRAE

Demographic Indicators	1997	1999
Land Mass (sq. miles)	42.3	42.3
Inhabited Islands and Atolls	1	1
Total Population % Male % Female	7,317 52% 48%	7,911 52% 48%
Age Distribution % Under 15 years % Over 64 years	 43% 3%	 43% 3%
Ethnic Distribution Kosraen Other Micronesian Asian Caucasian	 92.0% 1.8% 4.7% 0.8%	 92.0% 1.8% 4.7% 0.8%
Geographic Distribution Urban/State Center Intermediate/Rural	 36% 64%	 36% 64%
Annual Population Growth	1.3%	1.3%
Per Capita GNP/GDP ($)	N/A	N/A
Annual Average Household Income	$9,686	$9,686
Life Expectancy at Birth (Average number of years)	65.0	65.0
Crude Birth Rate (per 1000 population)	27.4	24.6
General Fertility Rate (per 1000)	N/A	N/A
Total Fertility Rate (Women 15-49 years)	4.2	4.2
Crude Death Rate (per 1000 population)	N/A	N/A
Adult Literacy Rate	N/A	N/A

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	N/A	49
Maternal Mortality Rate (per 100,000 live births)	N/A	N/A
Immunization Rate at 2 years	94.5	95.0
Type of Health Sector	Government	Government
Major Health Facilities	1 Hospital	1 Hospital
Number of Inpatient beds	N/A	N/A
Population with Access to Major Hospital (% less than 1 hour's travel away)	100	100
Minor Health Facility (# type)	4 dispensaries	4 dispensaries
Nature of Morbidity	Transitional (infectious parasitic & chronic)	Transitional (infectious parasitic & chronic)

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	From 1994	
1- diseases of circulatory system (390-459)	8	7
2- endocrine/nutrition (240-279)	7	6
3- diseases & conditions originating in the perinatal period (760-779)	7	0
4- Respiratory diseases (460-519)	5	3
5- cancer (140-239)	3	2
6- injuries/poisoning		2
Mortality rate for each listed above (per 10,000) 1-	10.9	14.3
2-	9.6	12.7
3-	9.6	6.3
4-	6.8	4.2
5-	4.1	4.2

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:750	1:750
Nurse (NM/NP/RN/GN): Population	1:174	1:174
Health Extender (MX/HA): Population	1:2,439	1:2,439
Dentist (DDS/DO): Population	1:7,317	N/A
Dominant Providers	MO, GN, PN, HA	N/A

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$1,017,000	$848,000
Health Budget Per Capita (Annually in $)	$151	$148
Health Insurance Coverage	Voluntary for FSM government. Employees only	N/A
Medicare/Medicaid Participation	Ineligible	N/A
Medical Referral Costs Annual Average Cost in $	$100,000	N/A
% of Total Budget for Health		
Annual # of Cases	33	44
Major Referral Site	Manila Honolulu Guam	Manila = 35 Honolulu = 3 Guam = 0

HEALTH FUNDING (FY 1999)

(KOSRAE STATE)

A. US Compact Funding:

Total Amount of US Compact	$ 4,784,776
Amount towards health services	$ 633,926

B. Local Revenues

Amount of local revenues	$ 1,370,180
Where does that money go	

C. List US Federal Grants (FY 2000)

GRANT	GRANTOR	AMOUNT US $
Mental Health & Substance Abuse	Federal	
Maternal & Child Health	Federal	
Family Planning	Federal	
AIDS & HIV	Federal	

D. List International Aid Organizations

NAME OF ORGANIZATION	AMOUNT US $
National Government	$ 130,000
U.S. Federal Grants	$ 705,512

Jurisdiction: Kosrae, FSM

WORKFORCE WORKSHEET - 1999

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
A. Doctors 1. MO	Surgeon # 1 Pediatrician # 1 Anesthes- # 1 iologist #	Kosraean # 6	#	Average Age All MO's 39 Youngest Oldest 30 48	6
2. MBBS	Gen. Practi- # 1 tioner #	Kosraean # 1	#	Average Age All MBBS's Youngest Oldest 44	1
3. MD	Gen. Surgery # 1	Philippine #	Philippine # 1	Average Age All MDs Youngest Oldest 50	1
4. OD	#	#	#	Average Age All ODs Youngest Oldest	0

Jurisdiction: Kosrae, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
B. Nurses 1. RN FSM	Nurse Midwife # 4 Nurse Practitioner # 1 Other # N. Anesthetist # 1	Kosraean # 32	#	Average Age All RNs 37 Youngest 30 Oldest 54	31
2. GN	GN # Nurse Midwife # Nurse Practitioner # Other #	Kosraean # 1	#	Average Age All GNs Youngest Oldest	
3. LPN #OJT	#	Kosraean # 1	#	Average Age All LPNs Youngest Oldest 49	1
4. Aides	#	#	#	Average Age All Aides Youngest Oldest	0

Jurisdiction: Kosrae, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
C. Dentists 1. DDS 1	DDS # 1 # # # # #	Kosrae # 1 # # # # #	USA # 1 # # # # #	Average Age All DDSs Youngest 32 Oldest 40	1
2. DO	# # # # # #	# # # # # #	# # # # # #	Average Age All DOs Youngest Oldest	0

Jurisdiction: Kosrae, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
D. Dental Nurses 1. Dental Therapist _____		_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Therapists _____ Youngest _____ Oldest _____	0
2. Dental Nurse 1		Kosraean # 1 _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Nurses _____ Youngest _____ Oldest 46	1
3. Dental Hygienist 1		Kosraean # 1 _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Hygienists _____ Youngest _____ Oldest 40	1
4. Aides_____	Dental Asst./Aide Only Expanded Function _____ Yes #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Dental Asst./Aides _____ Youngest _____ Oldest _____	_____

Jurisdiction: Kosrae, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
E. Extenders 1. Medex 1	#	Kosraean # 1		Average Age All Medexes Youngest 32 Oldest	1
2. Physician Assistant	#	#	#	Average Age All Physician Assistants Youngest Oldest	
3. Health Assistant	#	#		Average Age All Health Assistants Youngest Oldest	

Jurisdiction: Kosrae, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
F. Laboratory 1. Technologist _____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Technologists _____ Youngest _____ Oldest _____	_____
2. Technician 5	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Kosraean #5 _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Technicians 42 Youngest 30 Oldest 55	5
3. Assistant _____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Assistants _____ Youngest _____ Oldest _____	_____

Jurisdiction: Kosrae, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
G. Pharmacy 1. Pharmacist ____	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Average Age All Pharmacists ____ Youngest ____ Oldest ____	____
2. Technician 2	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Kosraean #2 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Average Age All Technicians ____ Youngest 29 Oldest 53	2
3. Assistant ____	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Average Age All Assistants ____ Youngest ____ Oldest ____	____

Jurisdiction: Kosrae, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
H. Radiology. 1. Technologist _____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Technologists _____ Youngest _____ Oldest _____	_____
2. Technician 1	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Kosraean # 1 _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Technicians _____ Youngest _____ Oldest 35	1
3. Assistant _____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Assistants _____ Youngest _____ Oldest _____	_____

Jurisdiction: Kosrae, FSM

Numbers Employed in Other Workforce Categories:

Administrators (including health director): 3

Biomedical Engineer: 0

Facility Maintenance: 1

Others (Specify):

Hospital Janitors : 3

Dietitian : 1

Cooks : 2

Health Educator : 1

Subs. Abuse Counsellor : 1

Medical Record Tech. : 3

Physiotherapy Tech : 1

Environ./Sani Tech : 3

:

POHNPEI

Demographic Indicators	1997	1999
Land Mass (sq. miles)	133.4	133.4
Inhabited Islands and Atolls	6	6
Total Population	33,692	36,171
% Male	51%	51%
% Female	49%	49%
Age Distribution		
% Under 15 years	44%	44%
% Over 64 years	4%	4%
Ethnic Distribution		
Pohnpeian/proper	75.5%	75.5%
Pohnpei Outer Island	13.0%	13.0%
Chuukese	5.8%	5.8%
Kosraen	1.3%	1.3%
Asian	1.8%	1.8%
American	0.8%	0.8%
Other Pacific Islands	0.7%	0.7%
Other	0.6%	0.6%
Geographic Distribution		
Urban/State Center	26%	26%
Intermediate/Rural	74%	74%
Annual Population Growth	1.8%	1.8%
Per Capita GNP/GDP ($)	N/A	N/A
Annual Average Household Income	$12,412	N/A
Life Expectancy at Birth (Average number of years)	66.5	N/A
Crude Birth Rate (per 1000 population)	32.8	N/A
General Fertility Rate (per 1000)	N/A	N/A
Total Fertility Rate (Women 15-49 years)	4.3	4.3
Crude Death Rate (per 1000 population)	N/A	N/A
Adult Literacy Rate	N/A	N/A

POHNPEI

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	42	42
Maternal Mortality Rate (per 100,000 live births)	N/A	N/A
Immunization Rate at 2 years	71.6%	60%
Type of Health Sector	Government	Government
Major Health Facilities	1 Hospital	1 Hospital
Number of Inpatient beds	N/A	N/A
Population with Access to Major Hospital (% less than 1 hour's travel away)	77%	N/A
Minor Health Facility (# type)	1 CHC 9 dispensaries	1 CHC 9 dispensaries
Nature of Morbidity	Transitional (infectious parasitic & chronic)	Transitional (infectious parasitic & chronic)

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	From 1994	From 1994
1- diseases of circulatory system (390-459)	43	43
2- respiratory diseases (460-519)	26	26
3- injuries/poisoning (800-999)	15	15
4- endocrine/nutrition (240-279)	13	13
5- cancer (140-239)	12	12
Mortality rate for each listed above (per 10,000) 1-	12.8	12.8
2-	7.7	7.7
3-	4.5	4.5
4-	3.9	3.9
5-	3.6	3.6

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:1,522	1:1,522
Nurse (NM/NP/RN/GN): Population	1:301	1:301
Health Extender (MX/HA): Population	1:1,773	1:1,773
Dentist (DDS/DO): Population	1:5,615	1:5,615
Dominant Providers	MO, GN, PN, HA	MO, GN, PN, HA

POHNPEI

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$4,088,000	$3,494,000
Health Budget Per Capita (Annually in $)	$143	$105
Health Insurance Coverage	Voluntary for FSM government. Employees only.	Voluntary for FSM government. Employees only.
Medicare/Medicaid Participation	Ineligible	Ineligible
Medical Referral Costs Annual Average Cost in $	$367,739	$391,183
% of Total Budget for Health	8%	11%
Annual # of Cases	48	115
Major Referral Site	Manila Honolulu Guam	Manila Honolulu

HEALTH FUNDING (FY 1999)

(POHNPEI STATE)

A. US Compact Funding:

Total Amount of US Compact	$ 3,830,407
Amount towards health services	$ 705,866

B. Local Revenues

Amount of local revenues	$ 172,434
Where does that money go	The local revenues are divided among the three branches of the State Government for its general operation.

C. List US Federal Grants (FY 2000)

GRANT	GRANTOR	AMOUNT US $
Community Health Center	Region IX (Federal)	$ 142,362.00
MCH Program	" "	$ 101,213.00
Immunization	" "	$ 56,127.00
AIDS Prevention	" "	$ 13,235.00
Diabetes	" "	$ 8,000.00
Family Planning`	" "	$ 61,569.00
Substance Abuse & MH	" "	$ 103,331.00
Sexually Trans. Disease	" "	$ 7,140.00
Tuberculosis & AIDS	" "	$ 20,804.00

D. List International Aid Organizations

NAME OF ORGANIZATION	AMOUNT US $
OPAL	$ 54,656.00
Canvasback	$ 25,000.00

Jurisdiction: Pohnpei, FSM

WORKFORCE WORKSHEET - 1999

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
A. Doctors 1. MO 15	General # 14 Anestetist # 1	Pohnpeian # Pohnpeian #	None #	Average Age All MO's 15 Youngest 32 Oldest 64	15
2. MBBS 4	ENT # 1 Surgeon # 1 Pediatrician # 1 Training # 1	Pohnpeian # 1 Pohnpeian # 1 Pohnpeian # 1 Pohnpeian # 1	n/a # n/a # n/a # n/a #	Average Age All MBBS's Youngest 42 Oldest 51	3
3. MD 1	Internist # 1	Philippines # 1	Exp. cont #	Average Age All MDs Youngest Oldest 37	1
4. OD 0	#	#	#	Average Age All ODs Youngest Oldest	

Jurisdiction: Pohnpei, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
B. Nurses 1. RN 5	Nurse Midwife # Nurse Practitioner # Other #	Philippine # 3 Australian # 1 Pohnpeian # 1	Philippine # 3 Australia # 1 Pohnpeian # 1	Average Age All RNs Youngest Oldest	all
2. GN 38	GN # 38 Nurse Midwife # 4 Nurse Practitioner # 2 Other Nurse Anes. # 1 Dialysis Nurse-1	Pohnpeian #	#	Average Age All GNs Youngest Oldest	all
3. LPN 35 #OJT	Hosp # 26 PHC # 9	Pohnpeian # Pohnpeian #	#	Average Age All LPNs Youngest Oldest	all
4. Aides 0	#	#	#	Average Age All Aides Youngest Oldest	

Jurisdiction: Pohnpei, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
C. Dentists 1. DDS_____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All DDSs _____ Youngest _____ Oldest _____	_____
2. DO_____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All DOs _____ Youngest _____ Oldest _____	_____

Jurisdiction: Pohnpei, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
D. Dental Nurses 1. Dental Therapist _____		_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Therapists _____ Youngest _____ Oldest _____	_____
2. Dental Nurse _____		_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Nurses _____ Youngest _____ Oldest _____	_____
3. Dental Hygienist _____		_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Hygienists _____ Youngest _____ Oldest _____	_____
4. Aides_____	Dental Asst./Aide Only Expanded Function _____ Yes #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Dental Asst./Aides _____ Youngest _____ Oldest _____	_____

Jurisdiction: Pohnpei, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
E. Extenders 1. Medex 5	Medex # 5 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Pohnpeian #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___		Average Age All Medexes ____ Youngest ____ Oldest ____	all
2. Physician Assistant 0	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Average Age All Physician Assistants ____ Youngest ____ Oldest ____	____
3. Health Assistant 14	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Pohnpeian # 14 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___		Average Age All Health Assistants ____ Youngest ____ Oldest ____	all

Jurisdiction: Pohnpei, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
F. Laboratory 1. Technologist 1	#	Pohnpeian # 1	Pohnpeian #	Average Age All Technologists Youngest Oldest	1
2. Technician 2	#	Pohnpeian # 2	#	Average Age All Technicians Youngest Oldest	all
3. Assistant 5	#	Pohnpeian # 5	#	Average Age All Assistants Youngest Oldest	all

Jurisdiction: Pohnpei, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
G. Pharmacy 1. Pharmacist 1	Pharmacist # 1 ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	Australia # 1 ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	Average Age All Pharmacists ____ Youngest ____ Oldest ____	1
2. Technician 4	____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	Pohnpeian # 4 ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	Average Age All Technicians ____ Youngest ____ Oldest ____	5
3. Assistant 0	____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____ ____ # ____	Average Age All Assistants ____ Youngest ____ Oldest ____	____

Jurisdiction: Pohnpei, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
H. Radiology. 1. Technologist 0	#	#	#	Average Age All Technologists Youngest Oldest	
2. Technician 4	#	Pohnpeian # 4	Pohnpei #	Average Age All Technicians Youngest Oldest	4
3. Assistant 0	#	#	#	Average Age All Assistants Youngest Oldest	

Jurisdiction: Pohnpei, FSM

Numbers Employed in Other Workforce Categories:

Administrators (including health director): 2

*All others not noted are from Pohnpei

Biomedical Engineer: 0

Facility Maintenance: 5

Others (Specify):

Medical Records : 6

Medical Supply : 2

Kitchen : 7

Physio Therapist : 1 From India

Ambulance Drivers : 4

Australian Volunteers : 3 Quality Assurance Nurse/ Medical Records Advisor

Administrative Officers : 4 Pharmacy Advisor

These three are already noted in workforce sheet

Medical Referral Coordinator : 1

Primary Health Care Off : 4

Community Health Center 8

1 Pharmacy Technician
1 Laboratory Technician
1 Maintenance Man
1 Cashier
3 Medical Record Clerk
1 Janitor

Substance Abuse 11
Coordinator -1
Outreach Super. -1
Aide -1
Educator -1
Trademan -1
Administrative Asst. -1
Community Worker-5

CHUUK

Demographic Indicators	1997	1999
Land Mass (sq. miles)	49.2	49.2
Inhabited Islands and Atolls	40	40
Total Population % Male % Female	53,319 51% 49%	56,517 51% 49%
Age Distribution % Under 15 years % Over 64 years	 46% 4%	 46% 4%
Ethnic Distribution Chuukese Other Micronesians Other Pacific Islanders Asian	 98.3% 0.4% 0.12% 0.99%	 98.3% 0.4% 0.12% 0.99%
Geographic Distribution Urban/State Center Intermediate/Rural	 31% 69%	 31% 69%
Annual Population Growth	2.2%	2.2%
Per Capita GNP/GDP ($)	N/A	N/A
Annual Average Household Income	$5,443	$5,443
Life Expectancy at Birth (Average number of years)	64.0	64.0
Crude Birth Rate (per 1000 population)	3.5	3.5
General Fertility Rate (per 1000)	--	--
Total Fertility Rate (Women 15-49 years)	5.6	5.6
Crude Death Rate (per 1000 population)	8.0	8.0
Adult Literacy Rate	N/A	N/A

CHUUK

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	53.0	53.0
Maternal Mortality Rate (per 100,000 live births)	N/A	N/A
Immunization Rate at 2 years	90.2%	60%
Type of Health Sector	Government	Government
Major Health Facilities	1 Hospital	1 Hospital
Number of Inpatient beds	N/A	N/A
Population with Access to Major Hospital (% less than 1 hour's travel away)	62	62
Minor Health Facility (# type)	71 dispensaraies	71 dispensaries 3 super-dispensaires
Nature of Morbidity	Transitional (infectious parasitic & chronic)	N/A

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)	From 1994	N/A
1- diseases of circulatory system (390-459)	32	
2- Endocrine/nutrition (240-279)	30	
3- Cancer (140-239)	224	
4- Injuries/poisoning (800-999)	17	
5- Respiratory diseases (460-519)	16	
Mortality rate for each listed above (per 10,000) 1-	6.0	N/A
2-	5.6	
3-	4.5	
4-	3.2	
5-	3.0	

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:2,325	N/A
Nurse (NM/NP/RN/GN): Population	1:346	N/A
Health Extender (MX/HA): Population	1:599	N/A
Dentist (DDS/DO): Population	1:8,887	N/A
Dominant Providers	MO, GN, PN, HA	N/A

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$3,465,000	$2,863,000
Health Budget Per Capita (Annually in $)	$92	$80
Health Insurance Coverage	Voluntary for FSM government. Employees only.	N/A
Medicare/Medicaid Participation	Ineligible	N/A
Medical Referral Costs		
Annual Average Cost in $	$472,000	$1,000,000 (reportedly spent)
% of Total Budget for Health	39.3%	
Annual # of Cases	91	100
Major Referral Site	Honolulu Manila Guam	N/A

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
A. Doctors										
1. MO	19	General	18	Indigenous	19					
								Average Age		
								All MOs:	46	19
								Youngest:	28	
								Oldest:	64	
2. MBBS		General		Indigenous				Average Age		
								All MBBSs:		
								Youngest:		
								Oldest:		
3. MD	5	General	2	Indigenous		Filipino	3	Average Age N/A		
						Burmese	1	All MDs:		
						Chinese	1	Youngest:		
								Oldest:		
4. OD		General		Indigenous				Average Age		
								All ODs:		
								Youngest:		
								Oldest:		
								N/A		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
B. Nurses										
1. RN	55	Nurse Midwife		Indigenous		USA	2	Average Age		
		Nurse						All RNs:		
		Practitioner						Youngest:		
		Other:						Oldest:		
2. GN	0	GN		Indigenous				Average Age		
		Nurse Midwife #						All GNs:		
		Nurse						Youngest:		
		Practitioner						Oldest:		
		Other:								
3. LPN	99			Indigenous				Average Age		
# OJT								All LPNs:		
								Youngest:		
								Oldest:		
4. Aides		Community		Indigenous				Average Age		
		Health						All Aides:		
		Assistants						Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
C. Dentists										
1. DDS	5			Indigenous		Filipino	1	Average Age		
						Burmese	4	All DDSs:	35	
								Youngest:	47	
								Oldest:	60	
2. DO	1			Indigenous	1			Average Age		
								All DOs:	58	
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
D. Dental Nurses										
1. Dental Therapist	1			Indigenous				Average Age		
								All Therapists:		
								Youngest:		
								Oldest:		
2. Dental Nurse	3			Indigenous				Average Age		
								All Nurses:		
								Youngest:		
								Oldest:		
3. Dental Hygienist	0			Indigenous				Average Age		
								All Hygienists:		
								Youngest:		
								Oldest:		
4 Aide	11	Dental Asst./Aide Only		Indigenous				Average Age All Dental		
		Expanded Function						Asst./Aides:		
		_____ Yes						Youngest:		
								Oldest:		
5 Dental Laboratory Technician				Indigenous				Average Age All Dental		
								Lab Techs:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)	# Indigenous & Other Islander (US-Related Region Only) & Country of Origin	# Expatriate Contract Hires (Outside Region) & Country of Origin	Ages of Workforce in this Category	# Actually Performing Work in this Category
E. Extenders						
1. Medex	5		Indigenous		Average Age	
					All Medexes:	
					Youngest:	
					Oldest:	
2. Physician Assistant:	0		Indigenous		Average Age All Physician Assistants:	
					Youngest:	
					Oldest:	
3. Health Assistant:	84		Indigenous		Average Age All Health	
					Assistants:	
					Youngest:	
					Oldest:	

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
F. Laboratory										
1. Technologist	0			Indigenous				Average Age All		
								Technologists:		
								Youngest:		
								Oldest:		
2. Technician:	3			Indigenous	3			Average Age All		
								Technicians:		
								Youngest:		
								Oldest:		
3. Assistant:	2			Indigenous	2			Average Age All		
								Assistants:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
G. Pharmacy										
1. Pharmacist	1			Indigenous	1			Average Age All		
								Pharmacists:		
								Youngest:		
								Oldest:		
2. Technician:	1			Indigenous	1			Average Age All		
								Technicians:		
								Youngest:		
								Oldest:		
3. Assistant:	2			Indigenous	2			Average Age All		
								Assistants:		
								Youngest:		
								Oldest:		

Workforce Worksheet
PIHOA, September 1997

Current # in this Workforce Category		Specialties and # in Each Specialty (whether trained or in-training)		# Indigenous & Other Islander (US-Related Region Only) & Country of Origin		# Expatriate Contract Hires (Outside Region) & Country of Origin		Ages of Workforce in this Category		# Actually Performing Work in this Category
H. Radiology										
1. Technologist:	1			Indigenous	1			Average Age All		
								Technologists:		
								Youngest:		
								Oldest:		
2. Technician:	1			Indigenous	1			Average Age All		
								Technicians:		
								Youngest:		
								Oldest:		
3. Assistant:	1			Indigenous	1			Average Age All		
								Assistants:		
								Youngest:		
								Oldest:		

Numbers Employed in Other Workforce Categories:
Administrators (including health director): _____
Biomedical Engineer _____
Facility Maintenance _____
Others (Specify):

Demographic Indicators	1997	1999
Land Mass (sq. miles)	46.8	46.8
Inhabited Islands and Atolls	15	15
Total Population % Male % Female	11,178 50% 50%	11,856 50% 50%
Age Distribution % Under 15 years % Over 64 years	 41% 5%	 41% 5%
Ethnic Distribution Yapese Other Micronesian Other Pacific Islands Asian	 92% 1.0% 1.6% 4.6%	 92% 1.0% 1.6% 4.6%
Geographic Distribution Urban/State Center Intermediate/Rural	 29% 71%	 61.9% 38.1%
Annual Population Growth	1.4%	1.4%
Per Capita GNP/GDP ($)	N/A	$2,036
Annual Average Household Income	$8,286	$11,972
Life Expectancy at Birth (Average number of years)	67.3	67.3
Crude Birth Rate (per 1000 population)	28.9	21.9
General Fertility Rate (per 1000)	N/A	N/A
Total Fertility Rate (Women 15-49 years)	3.7	3.7
Crude Death Rate (per 1000 population)	9.2	4.3
Adult Literacy Rate	N/A	N/A

YAP

Selected Health Indicators	1997	1999
Infant Mortality Rate (per 1000 live births)	39.0	21.8
Maternal Mortality Rate (per 100,000 live births)	N/A	N/A
Immunization Rate at 2 years	94.6	82
Type of Health Sector	Government	Government
Major Health Facilities	1 Hospital	1 Hospital
Number of Inpatient beds	N/A	N/A
Population with Access to Major Hospital (% less than 1 hour's travel away)	65%	65%
Minor Health Facility (# type)	30 dispensaries	19 dispensaries
Nature of Morbidity	Transitional (infectious parasitic & chronic)	Transitional (infectious parasitic & chronic

Top Five Causes of Death	1997	1999
Ranked Causes of Death (with ICD-9 coding and actual # of deaths)		
1- respiratory diseases (460-519)	6	15
2- cancer (140-239)	6	8
3- circulatory system diseases (390-459)	3	1
4- injuries/poisoning (800-999)	3	1
5- endocrine/nutrition (240-279)	2	1
Mortality rate for each listed above (per 10,000) 1-	5.4	33
2-	5.4	18
3-	2.7	9
4-	2.7	4
5-	1.8	4

Health Workforce Ratios	1997	1999
Physician (MD/MO/MBBS): Population	1:725	1:800
Nurse (NM/NP/RN/GN): Population	1:219	1:219
Health Extender (MX/HA): Population	1:164	1:447
Dentist (DDS/DO): Population	1:11,178	1:11,178
Dominant Providers	MO, GN, PN, HA	MO, GN, PN, HA

Financial/Medical Referral Indicators	1997	1999
Health Budget (Total amount allocated annually in $)	$1,987,445	$2,034,212
Health Budget Per Capita (Annually in $)	$178	$180
Health Insurance Coverage	None	Yes – 1,500 (FSM NGEHI)
Medicare/Medicaid Participation	Ineligible	Ineligible
Medical Referral Costs Annual Average Cost in $	$355,355	$219,565
% of Total Budget for Health	23.9%	10.7%
Annual # of Cases	45	38
Major Referral Site	Manila Honolulu Guam	Manila Honolulu Guam

HEALTH FUNDING (FY 1999)

(YAP STATE)

A. US Compact Funding:

Total Amount of US Compact	$ 8,505,808 (State)
Amount towards health services	$ 1,274,084

B. Local Revenues

Amount of local revenues	$ 6,265,380
Where does that money go	To all the regular operations, subsidies programs and projects.

C. List US Federal Grants

GRANT	GRANTOR	AMOUNT US $
98 Preventive Health	U.S. Federal	$ 5,000
98 Diabetes Program	U.S. Federal	$ 2,144
98 Sapt/Health Services	U.S. Federal	$ 36,750
98 MCH/Dental Program	U.S. Federal	$ 44,042
98 TB/AIDS Prevention	U.S. Federal	$ 19,813
98 AIDS Prevention	U.S. Federal	$ 13,207
98 Immunization Program	U.S. Federal	$ 11,605
98 Family Planning	U.S. Federal`	$ 34,291

D. List International Aid Organizations

NAME OF ORGANIZATION	AMOUNT US $
N/A	N/A

Jurisdiction: Yap, FSM

WORKFORCE WORKSHEET - 1999

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
A. Doctors 1. MO	Generalists # 7 Anesthesiology # 1	# 7 # 1	#	Average Age All MO's 40.25 Youngest 33 Oldest 52	8
2. MBBS	Generalist # 3 OB/GYN #	# 3 # 1	#	Average Age All MBBS's 42.25 Youngest 33 Oldest 50	3
3. MD	Surgery # 1	# 0	# 1	Average Age All MDs 59 Youngest Oldest	1
4. OD	N/A #	#	#	Average Age All ODs Youngest Oldest	

Jurisdiction: Yap, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
B. Nurses 1. RN 1	Nurse Midwife # 0 Nurse Practitioner # # Other # # #	# # # # # #	# # # # # #	Average Age All RNs 33 Youngest Oldest 33	1
2. GN 11	GN # 3 Nurse Midwife # 3 Nurse Practitioner # Other Nurse Anesthetist # 1	# # # # # #	# # # # # #	Average Age All GNs 35 Youngest 25 Oldest 62	11
3. LPN 15 #OJT 0	# # # # # #	# # # # # #	# # # # # #	Average Age All LPNs 24 Youngest 21 Oldest	15
4. Aides 0	# # # # # #	# # # # # #	# # # # # #	Average Age All Aides Youngest Oldest	

Jurisdiction: Yap, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
C. Dentists 1. DDS 0	#	#	#	Average Age All DDSs Youngest Oldest	
2. DO 1	Dental Officer I #	Yap, FSM # 1	#	Average Age All DOs 56 Youngest Oldest	1

Jurisdiction: Yap, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
D. Dental Nurses 1. Dental Therapist 0		# # # # # #	# # # # # #	Average Age All Therapists Youngest Oldest	
2. Dental Nurse 7	6 Dental Nurses II 1 Dental Nurse I	O.I Dental Nurse # 4 Yap Proper Dental Nurse # 3	# # # # # #	Average Age All Nurses 46 Youngest 39 Oldest 52	7
3. Dental Hygienist 0		# # # # # #	# # # # # #	Average Age All Hygienists Youngest Oldest	
4. Aides 0	Dental Asst./Aide Only Expanded Function Yes #	# # # # # #	# # # # # #	Average Age All Dental Asst./Aides Youngest Oldest	

Jurisdiction: Yap, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
E. Extenders 1. Medex 4	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____		Average Age All Medexes 53 Youngest 32 Oldest 59	4
2. Physician Assistant 0	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	Average Age All Physician Assistants _____ Youngest _____ Oldest _____	_____
3. Health Assistant 20	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____	_____ #____ _____ #____ _____ #____ _____ #____ _____ #____ _____ #____		Average Age All Health Assistants 37 Youngest 23 Oldest 50	20

Jurisdiction: Yap, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
F. Laboratory 1. Technologist 1	Hemotology # 1 Bacteriology # 1 Chemistry # 1 Blood Bank # 1 Serology # 1 Urinal/Para # 1	USA # 1	#	Average Age All Technologists 38 Youngest Oldest	1
2. Technician 5	Bacteriology # 2 Hemotology # 2 Parasitology # 3 Chemistry # 1 Blood Bank # 2 Serology # 5	New Zealand # 2 Fiji # 1 Hawaii # 1 Guam # 1	#	Average Age All Technicians 28 Youngest 40 Oldest 25	5
3. Assistant 1	Chemistry # 1	USA # 1	#	Average Age All Assistants 40 Youngest Oldest	1

Jurisdiction: Yap, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
G. Pharmacy 1. Pharmacist 1	Pharmacist # 1 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	01, Yap, FSM # 1 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Average Age All Pharmacists 42 Youngest ____ Oldest ____	1
2. Technician 1	Ph. Specailist # ___ Trainee #___ ____ #___ ____ #___ ____ #___ ____ #___	01 Yap, FSM # 1 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Average Age All Technicians 26 Youngest ____ Oldest ____	1
3. Assistant 2	Ph. Assistant # 1 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	01 Yap, FSM # 2 ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	____ #___ ____ #___ ____ #___ ____ #___ ____ #___ ____ #___	Average Age All Assistants 43.5 Youngest 42 Oldest 45	2

Jurisdiction: Yap, FSM

Current # in This Workforce Category	Specialties and # in Each Specialty (Whether Trained of in Training)	# Indigenous & Other Islander (US-Related Region only) and Country of Origin	# Expatriate Contract Hires (Outside Region) & County of Origin	Ages in Workforce in This Category	# Actually Performing Work in This Category
H. Radiology. 1. Technologist 1	# # # # # #	Australia # 3 Fiji # 6 Pohnpei # 1 Saipan # 3 # #	# # # # # #	Average Age All Technologists 58 Youngest Oldest	1
2. Technician 2	# # # # # #	Yap, FSM # 8 Yap, FSM # 7 # # # #	# # # # # #	Average Age All Technicians 35 Youngest 30 Oldest	2
3. Assistant 1	# # # # # #	Yap, FSM # 3 # # # # #	# # # # # #	Average Age All Assistants 26 Youngest Oldest	1

Jurisdiction: Yap, FSM

Numbers Employed in Other Workforce Categories:

Administrators (including health director): 3

Biomedical Engineer: 1

Facility Maintenance: 2

Others (Specify):

_____ : _____

_____ : _____

_____ : _____

_____ : _____

_____ : _____

_____ : _____

_____ : _____

_____ : _____

_____ : _____

Glossary Of Indicators

Adult literacy rate - The percentage of the population aged 15 and over able to read and write in any language.

Age distribution - The percentage of the total population represented by children less than 15 years and adults more than 64 years.

Annual average household income ($) - Average annual income of each household of the population. A household includes all persons occupying a housing unit.

Annual number of cases - The average annual number of medical referral cases.

Annual population growth rate - Rate at which the population grows in a year. Calculated as the total number of births plus the total immigration minus the total deaths plus the total emigration.

Crude birth rate - The total number of births per 1000 population. Calculated as the number of births in a given year divided by the mid-year population multiplied by 1000. Figures in the table are for 1991.

Crude death rate - The total number of deaths per 1000 population. Calculated as the number of deaths in a given year divided by the mid-year population multiplied by 1000. Figures in the table are for 1991.

Dentist/population ratio - The number of people for every dentist. A dentist is categorized as either a DDS = Doctor of Dental Surgery (US trained) or a DO = Dental Officer (foreign-trained).

Distance from major health facility - The distance in travel time between the major health facility and the satellite is given. For the most part, the satellite is located in the same village or municipality as the central hospital.

Dominant providers - The major types of providers serving in each jurisdiction.

Ethnic distribution - The types and percentages of the major ethnic groups in each jurisdiction.

General fertility rate - The number of live births per 1000 women aged 15-44 years. Calculated as the number of live births in a given year divided by the mid-year population of women aged 15-44 multiplied by 1000. Figures in the table are for 1991. The total fertility rate (TFR) is the number of children on the average per woman aged 15-49 years.

Geographic distribution - The percentage of the total population residing in the following areas: state center(s) - the urban area in which the central health facility is established. As defined for the 1990 census of the Pacific Outlying Areas, the urban population comprises all territory, population, and housing units in places of 2,500 or more persons; intermediate/remote areas - rural areas outside of State center, including outer islands and atolls. "Intermediate areas" refers to outlying municipalities or districts which require more than two hours travel time but less than one day from the major health facility. "Remote areas", such as outer islands and atolls, refers to those areas which require more than one day's travel to and from the state center and the major health facility.

Health budget-total and per capita - The total sum of money allocated for health overall and per person. Total amount ($) -the total amount budgeted for health including international, federal, and local funds. Per capita ($) - amount allocated to each person in the population. Calculated as the total health budget divided by the total population. Figures in the table are for the following years: FSM - 1989, Guam - 1991, Palau - 1991, and RMI - 1991.

Health Extenders (MX/HA)/population ratio - The number of people for every health extender. A health extender is categorized as either an MX = Medex (similar to a medical corpman) or an HA = Health assistant (a community member with on-the-job training).

Health insurance coverage - The percentage of the population receiving any kind of health insurance. With the exception of Marshallese and perhaps Guamanian citizens, the majority of U.S. Pacific Islanders have no health insurance.
Figures in the table are for 1991.

Immunization rate @ 2 years - The percentage of children less than two years who are fully immunized according to WHO or ACIP guidelines. Figures in the table are for 1991-1992.

Infant mortality rate - The number of deaths in infants (less than 1 year or 0-364 days) per 1000 live births. The rates given in the table are for the following years: AS - 1991, CNMI - 1991, FSM - 1986-1992 (The official rate for the FSM according to registered live births and deaths is 23.3 per 1000; however, the actual rate is estimated at 45 per 1000), Guam - 1989, Palau - 1992, and RMI - 1988.

Inhabited islands and atolls - The number of populated islands and atolls in each jurisdiction.

Land mass - The area of dry land in square miles.

Life expectancy @ birth - The average number of years which a person at birth is expected to live under the mortality pattern prevalent in the community or country. The range of life expectancy at birth ranges from 40 to 70 years. The world average is estimated at 61 years. Figures in the table are for the following years: AS - 1978-82, FSM - 1985-89, Guam - 1982, and RMI - 1988.

Major facility access - The percentage of the population residing in areas less than an hour travel distance from the major health facility.

Major health facilities - The number of hospitals and the type of care are specified. In general, basic acute care is offered at all hospitals with limited or no intensive or critical care capacity.

Major referral sites - The major sites to which medical referrals are sent. Formal agreements are in place with hospitals in each of these cities.

Medical referral costs - The average amount of money spent annually on medical referrals.

Medical referral costs - The percentage of the total health budget which is used for medical referrals. The figures in the table are based on the following information:
American Samoa - $3.61 million in 1990
CNMI - An estimated $7.5 million is spent annually; $4.5 million in Honolulu, $2.5 million in San Diego, and $0.5 million in Guam. Major reasons for referrals include cardiology, ophthalmology, oncology, trauma, and "crippled children".
Chuuk - $472,000 in 1992, overran budget for medical referrals by $30,000.
Kosrae - $400,000 in 1992, overran budget by $200,000.
Pohnpei - $367,739 in 1992.
Yap - $355,355 in 1992.
Guam - No specific expense information was submitted by the Government of Guam -- only total cost of medically indigent program, catastrophic illness program, and Medicaid/Medicare. The information is difficult to obtain due to the substantial number of self-referrals and the number of referrals paid by private health plan (FHP, GMHP, and Stay Well).
Palau - $293,235 in 1992 and approximately $700,000 in 1993 ($496,618 on the average). About 75% of patients are referred to the Philippines and another 20% go to TAMC's free program.
RMI - $137,477 in 1991 and $63,201 in 1992 ($100,339 on the average). This is a deceptively low amount because it does not include an estimation of costs for referrals under the 177 program. Also, a sizeable number of referrals are made to TAMC's special program at no cost to the RMI government.

Medicare/Medicaid participation - The percentage of the total population in each jurisdiction covered by Medicaid/Medicare was not available. Instead, eligibility is specified. American Samoa uses Medicaid money specifically for medical referrals and defines its total population as being eligible.

Minor health facilities - The number of non-major health facilities. Types include village or community health centers, field hospitals, private clinics, and dispensaries. These are often located outside of the urban center in outlying and intermediate areas.

Mortality rate by cause - The cause-specific mortality rate expresses the number of deaths from a disease among all individuals in a population during a given time period. The table identifies the top three diseases responsible for the highest mortality in each of the jurisdictions. Figures are for the following years: AS - 1990, CNMI - 1991, FSM - 1986-91, Guam - 1990, Palau - 1991, and RMI - 1989.

Nature of morbidity - The nature of disease problems common to or prevalent in each jurisdiction. Morbidity is characterized as being chronic, infectious or parasitic, and/or transitional (a combination of both).

Number of inpatient beds - The number of inpatient beds in each major health facility.

Nurse (NM/NP/RN/GN/PN)/population ratio - The number of people for every nurse. The various categories of nurses are as follows: NM = Nurse Midwife (RN with specialty training in OB/GYN); NP = Nurse Practitioner (RN with specialty training in pediatrics or family medicine); RN = Registered Nurse (baccalaureate or associate level training), GN = Graduate Nurse (educated and trained in regional nursing schools), and PN = Practical Nurse (on-the-job training).

Per capita GNP/GDP ($) - Total gross national product (GNP) or gross domestic product (GDP) divided by the total population. This is a common general purpose indicator of the average income level. Figures in the table are for the following years: AS - 1991 GNP, CNMI - 1985 GNP, FSM - 1988 GDP, Guam - 1989 GDP, Palau - 1991 GNP, and RMI - 1991 GDP.

Physician (MD/MO/MBBS)/population ratio - The number of people for every physician. A US trained physician is an MD = Medical Doctor; a foreign-trained or regionally-trained physician is an MO = Medical Officer; and a British-trained physician is an MBBS = Bachelor of Medicine, Bachelor of Surgery.

Satellite - The type of satellite facility available in each site.

Satellite network - The type of satellite network is denoted. "MicroNet" = Micronesia Network and "FFANet" = Forum Fisheries Network.

Satellite system services - The major characteristics of the PEACESAT GOES-3 system are identified.

Sex distribution - The percentage of the total population represented by males and females.

Site - The institution and location of each satellite facility are given.

Total population - The total number of people residing in the jurisdiction. Official estimates for American Samoa, the Commonwealth of the Northern Marianas, Guam, and the Republic of Palau are according to the US Bureau of the Census 1990 reports. Official estimates for the FSM and RMI are based on the jurisdiction's Office of Vital Statistics' figures for 1990.

Type of health sector - The predominant type of health sector in each jurisdiction is identified. Types include government "owned and operated", an active or fledgling private sector, or a combination of both.

NOTE Data were received directly from the Health Directors' Offices and from the Office of Planning, Statistics, and Development within each Health Department. In addition, the U.S. Department of Commerce, Economics and Statistics Administration, Bureau of the Census 1990 Reports were used.